

Elements order in the EAC-CPF 2.0 schema

During their meeting on 12 January 2021, the Schema Team agreed to a prescribed order that groups sub-elements following the suggestion made in EAC-CPF issue [#257](#), i.e.:

1. Required, but not repeatable elements;
2. Required, repeatable elements;
3. Optional, but not repeatable elements;
4. Optional, repeatable elements.

Furthermore, there was agreement to the following exceptions from this rule:

- <descriptiveNote> and <objectXMLWrap> to always appear last, with <objectXMLWrap> appearing after <descriptiveNote> in cases where both are available;
- <head> and <abstract> to always appear first, with <head> appearing before <abstract> in the context of <biogHist>.

Last, there was agreement to formulate this decision into a design principle.

Elements with prescribed sequence of sub-elements

Following the above, the table below lists all EAC-CPF elements with sub-elements, for which the order will have to change. Elements, for which the order of sub-elements already intuitively follows the order as suggested above, are not listed here anymore.

While it was initially discussed to consider an alphabetic order for sub-elements of the same cardinality type, the table below has essentially left the elements of the same cardinality type in the same order as they are in EAC-CPF 1.0 at the moment. Elements that would be moved up in the sequence are printed in green, elements that would move down in the sequence are printed in orange.

Element	Sub-elements with cardinality (adapted order, if change is required)
<control>	<ul style="list-style-type: none">• <recordId> (1...1)• <maintenanceAgency> (1...1)• <maintenanceHistory> (1...1)• <sources> (0...1)• <otherRecordId> (0...n)• <representation> (0... n)• <languageDeclaration> (0...n)• <conventionDeclaration> (0...n)• <rightsDeclaration> (0...n)• <localTypeDeclaration> (0...n)• <localControl> (0...n)
<maintenance Agency>	<ul style="list-style-type: none">• <agencyCode> (0...1)• <otherAgencyCode> (0...n)• <agencyName> (0...n)• <descriptiveNote> (0...1)
<convention Declaration>,	<ul style="list-style-type: none">• <reference> (1...1)• <shortCode> (0...1)

<rights Declaration>, and <localType Declaration>	<ul style="list-style-type: none"> • <descriptiveNote> (0...1)
<identity>	<ul style="list-style-type: none"> • <entityType> (1...1) • <nameEntry> or <nameEntrySet> (1...n) • <identityId> (0...n) • <otherEntityTypes> (0...1) • <descriptiveNote> (0...1)
<description>	<ul style="list-style-type: none"> • any of the plural elements, i.e. <functions>, <languagesUsed>, <legalStatuses>, <localDescriptions>, <mandates>, <occupations>, <places> (0...1) • <existDates> (0...n) • any of the informal descriptive elements, i.e. <biogHist>, <generalContext>, <structureOrGenealogy> (0...n)
<source>	<ul style="list-style-type: none"> • <reference> (1...1) • <citedRange> (0...n) • <descriptiveNote> (0...1) • <objectXMLWrap> (0...1)
<relation>	<ul style="list-style-type: none"> • <targetEntity> (1...1) • one of <date>, <dateRange>, or <dateSet> (0...1) • <place> (0...n) • <relationType> (0...n) • <targetRole> (0...n) • <descriptiveNote> (0...1) • <objectXMLWrap> (0...1)
<setComponent>	<ul style="list-style-type: none"> • <componentEntry> (0...n) • <descriptiveNote> (0...1) • <objectXMLWrap> (0...1)
Singular elements	<ul style="list-style-type: none"> • <term> (1...n) • one of <date>, <dateRange>, or <dateSet> (0...1) • <placeName> (0...n) • <descriptiveNote> (0...1)
<chronItem>	<ul style="list-style-type: none"> • one of <date>, <dateRange>, or <dateSet> (1...1) • one of <event> (1...1) with <place> (0...1) or <chronItemSet> (1...n)
<chronItemSet>	<ul style="list-style-type: none"> • <event> (1...n) • <place> (0...n)